



FEMA

Disclaimer: The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

FEMA Region 6 Weather Threat Briefing

Monday, July 20, 2015

Issued: 0800 CT

Day 1 Hazards: Heat index values of 102F+ degrees over much of the eastern half of FEMA Region 6.

Day 1 Hazards: Marginal risk of severe tstms and flash flooding NE NM/TX Panhandle/N OK/N AR

National Weather Service

Southern Region Headquarters
Regional Operations Center
Fort Worth, TX



Prepared by: Brian Hoeth
817-978-1100 x 147

Key Points



Monday - Tuesday

- **Marginal Risk of severe weather over NE NM/TX panhandle/N OK/N AR**
 - Isolated strong to severe thunderstorms with damaging winds and/or heavy rain/flash flooding possible
- **Heat continues with afternoon heat index values over 102F+ degrees for AR/LA and eastern portions of OK/TX Monday**
- **Seasonal afternoon showers/thunderstorms across NM each day**
 - Isolated heavy rain/flooding possible

Wednesday – Friday

- **No Significant Weather Impacts besides continued heat for eastern ½ of the Region**






Tropical Outlook

- **Tropical formation is not expected in the next 5 days**

*FEMA Region 6 Threat Matrix

Jul 20, 2015 - Jul 24, 2015

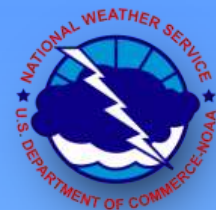
DAY/ THREAT	MON	TUE	WED	THU	FRI
Severe Weather	NE NM/TX Panhandle/ N OK/N AR	NE NM/TX Panhandle/ N OK/N AR			
Heavy Rain /Flash Flooding	NE NM/TX Panhandle/ N OK/N AR	NE NM/TX Panhandle/ N OK/N AR			
Heat	Eastern 1/2 of the Region				
Tropical					

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

We are experimenting with a new color scale to the left as of April 13th. Please provide feedback to sr-srh.roc@noaa.gov. See next slide for more details.



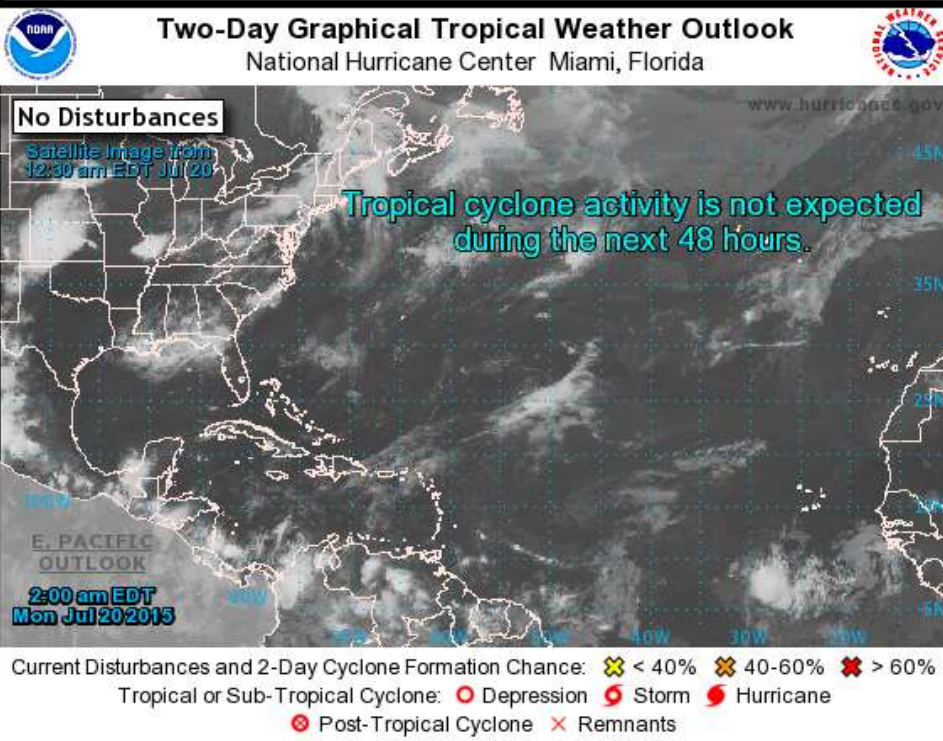
We are experimenting with a new color scale in these briefings, starting on April 13th. The criteria is below, please provide your feedback to sr-srh.roc@noaa.gov and we plan to re-evaluate in the coming months.



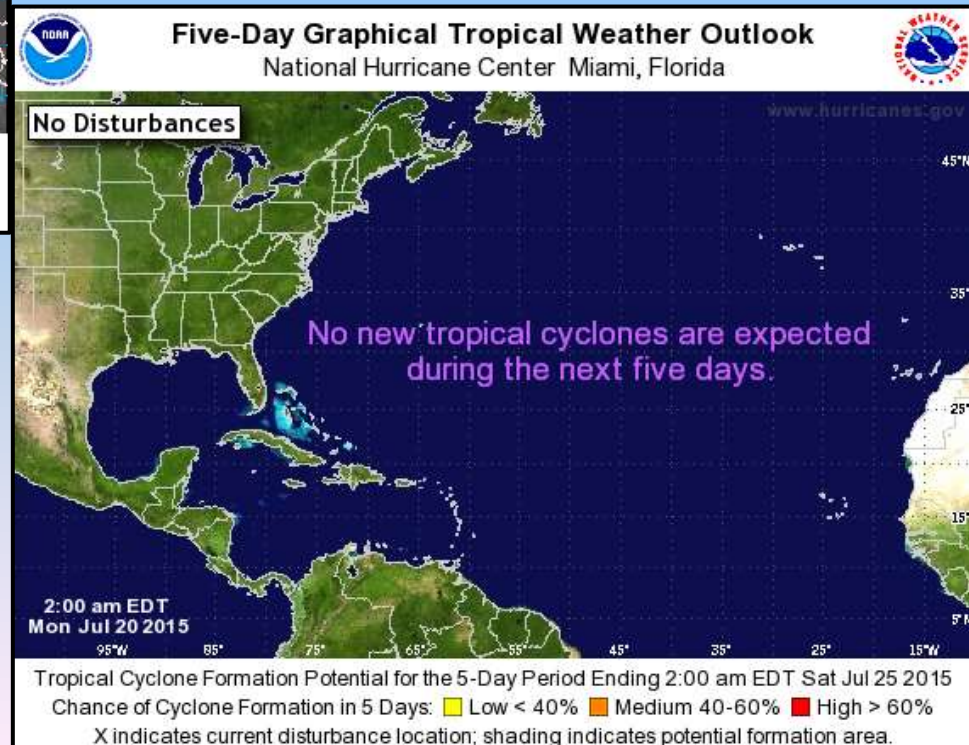
Weather "Threat" Matrix

Color	Definition	Criteria	Example(s)
Green	Very Common – Happens Often Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Minor Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Large Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Major Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically results in Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

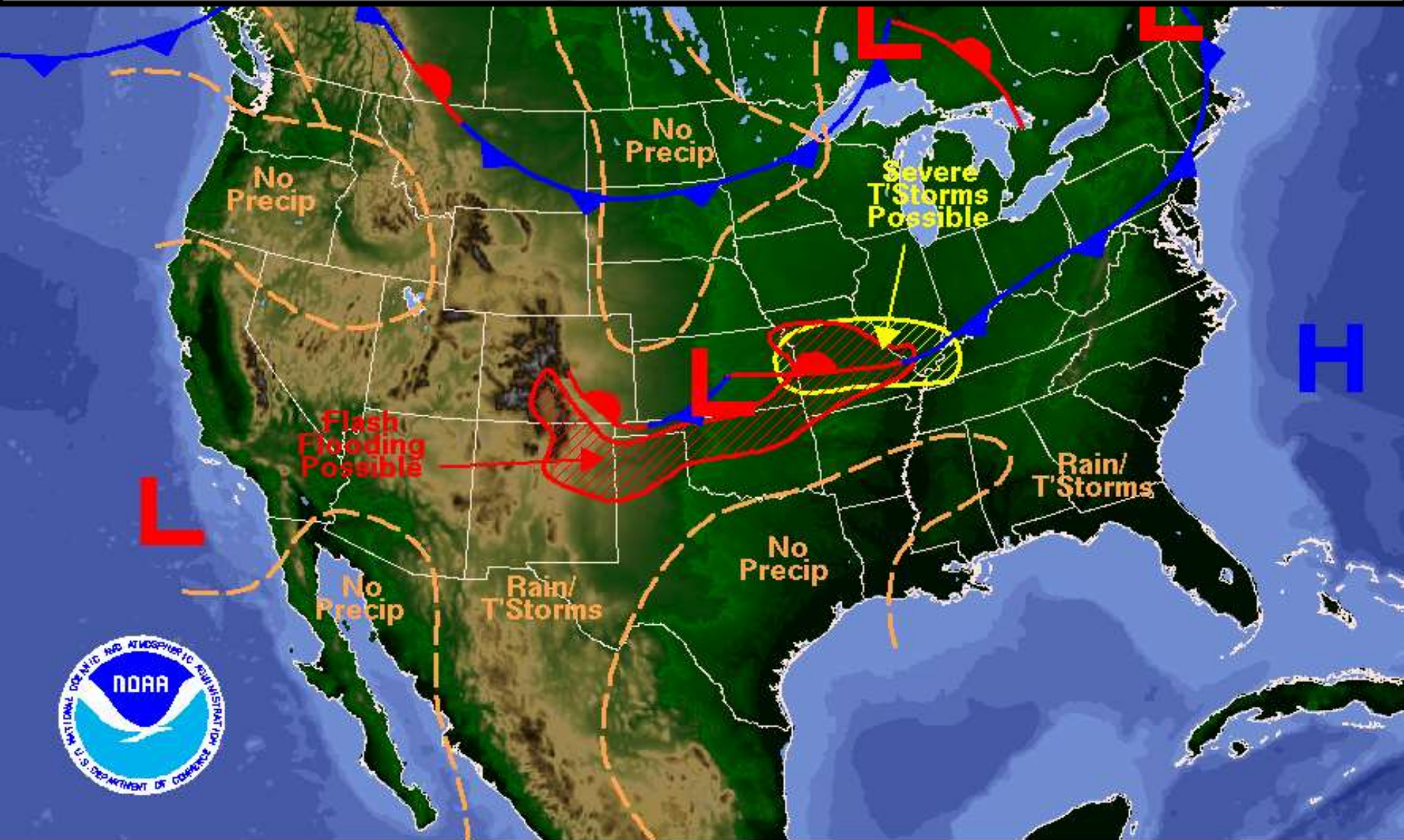
Atlantic/Gulf Tropical Weather Outlook



Tropical cyclone formation is not expected the next 5 days



Today's Weather



Weather Forecast for Mon, Jul 20, 2015, issued 4:36 AM EDT
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

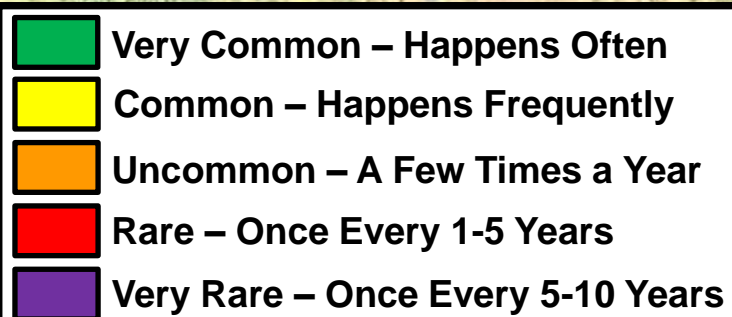
Day 1 Weather Hazards

Valid: 0800 Mon - 0800 Tue



Isolated severe storms with damaging winds and/or heavy rain & flash flooding

Heat Index values of 102F+ degrees across eastern half of the Region.



***Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.**



Monday, July 20, 2015

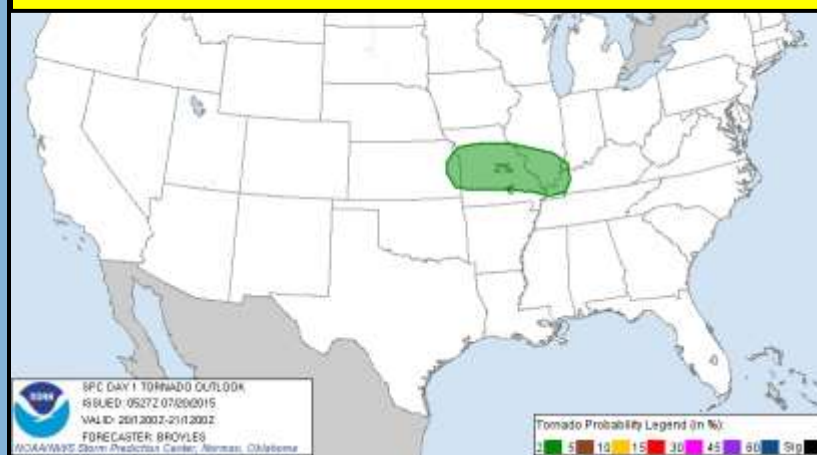
Severe Thunderstorm Potential



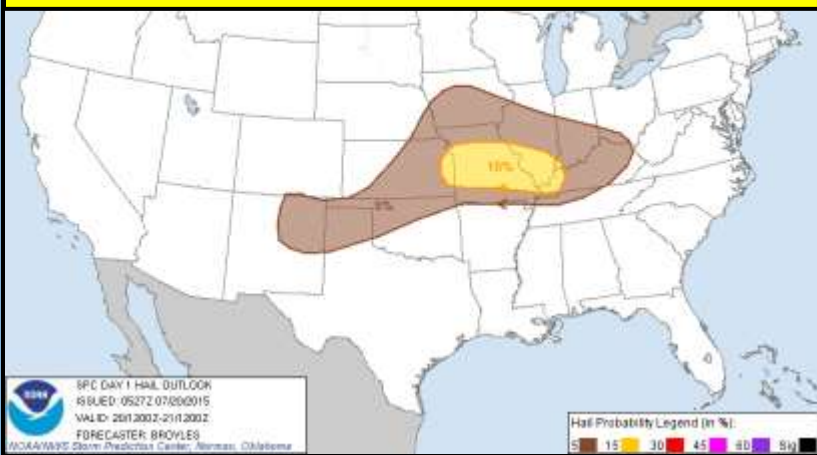
Overall Threat Potential



Probability of Tornado within 25 miles of a point



Probability of Damaging Hail within 25 miles of a point

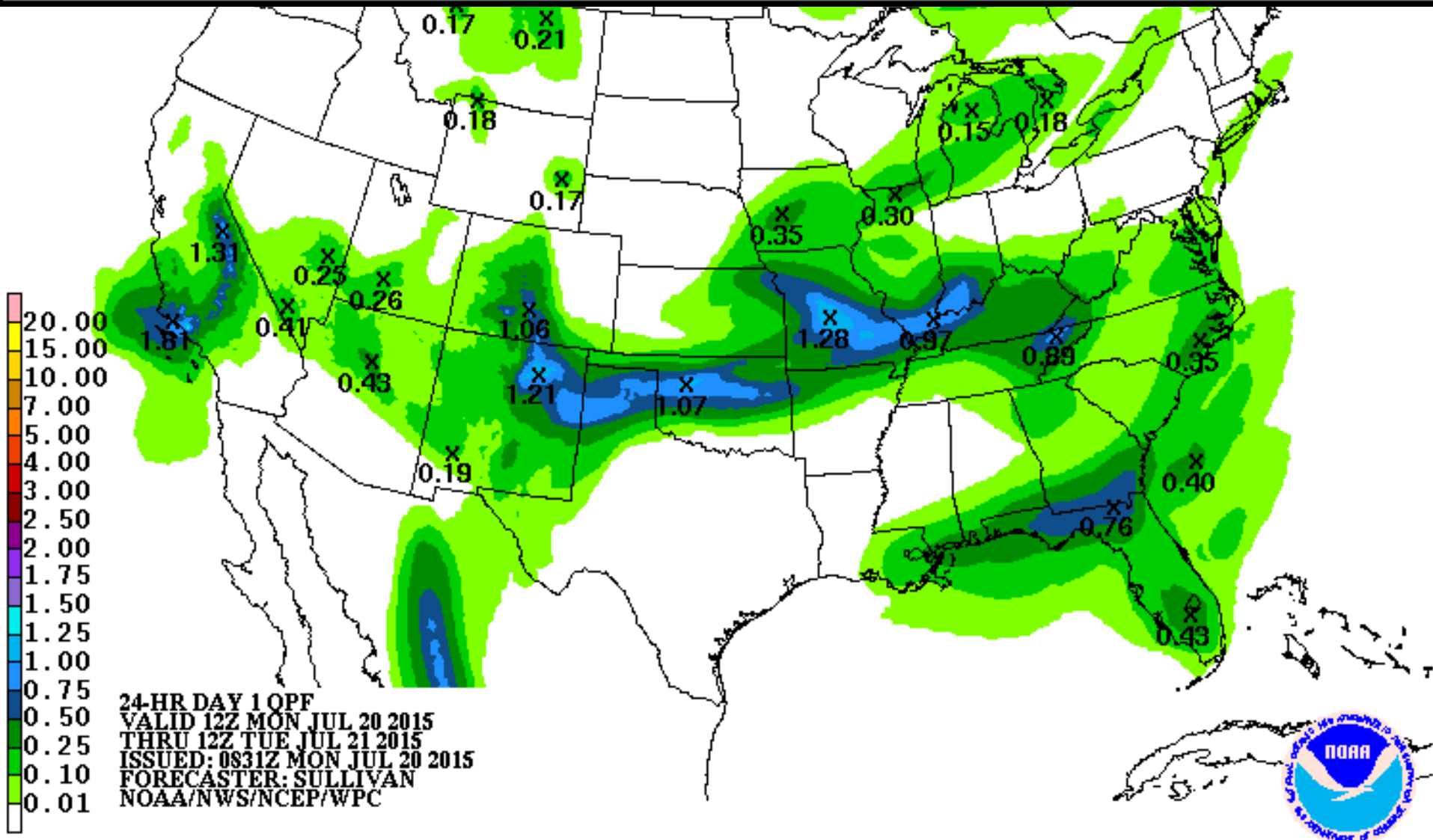


Probability of Damaging Winds within 25 miles of a point

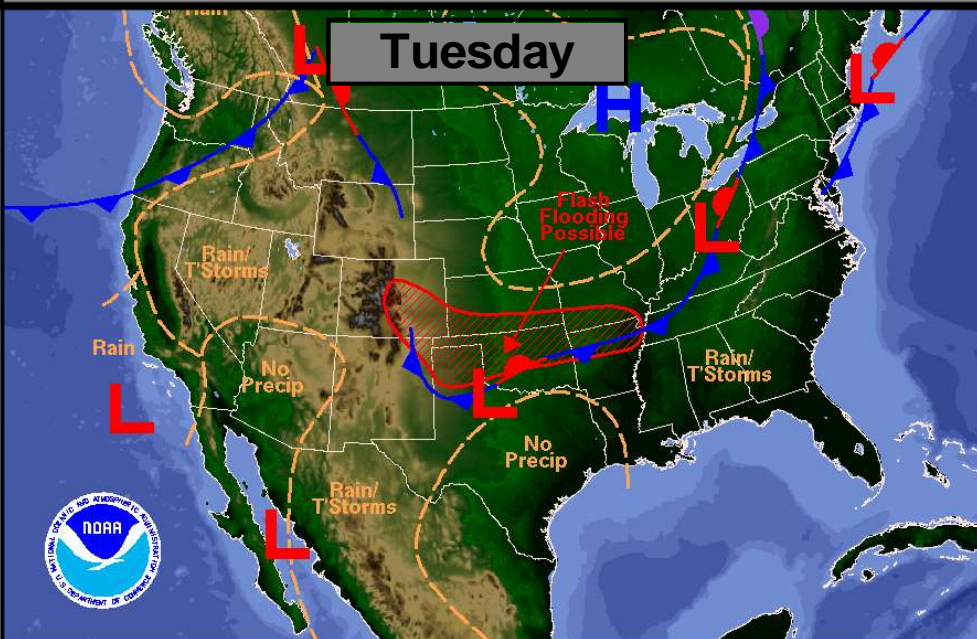


Today's Precipitation

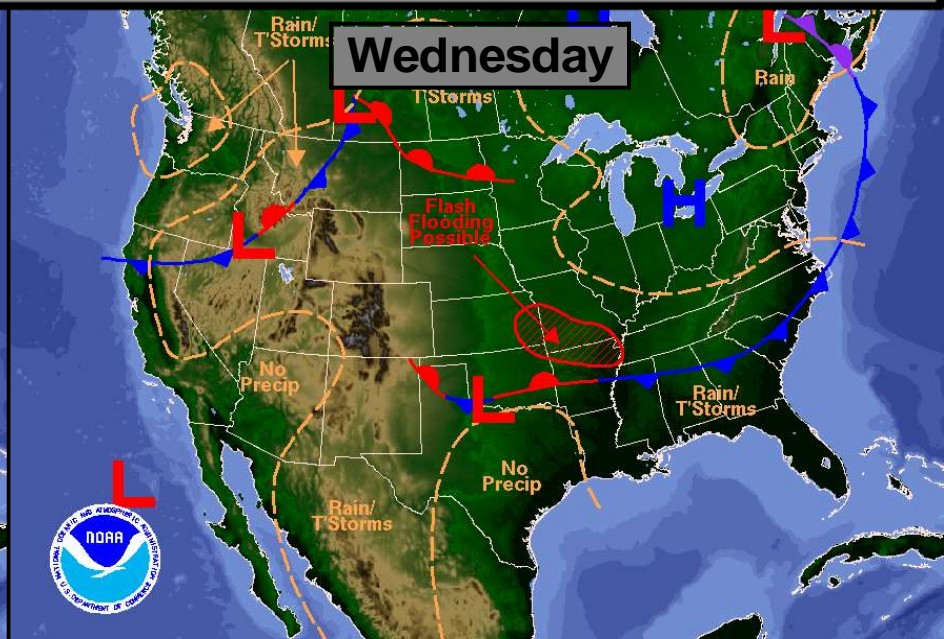
Mon AM - Tue AM



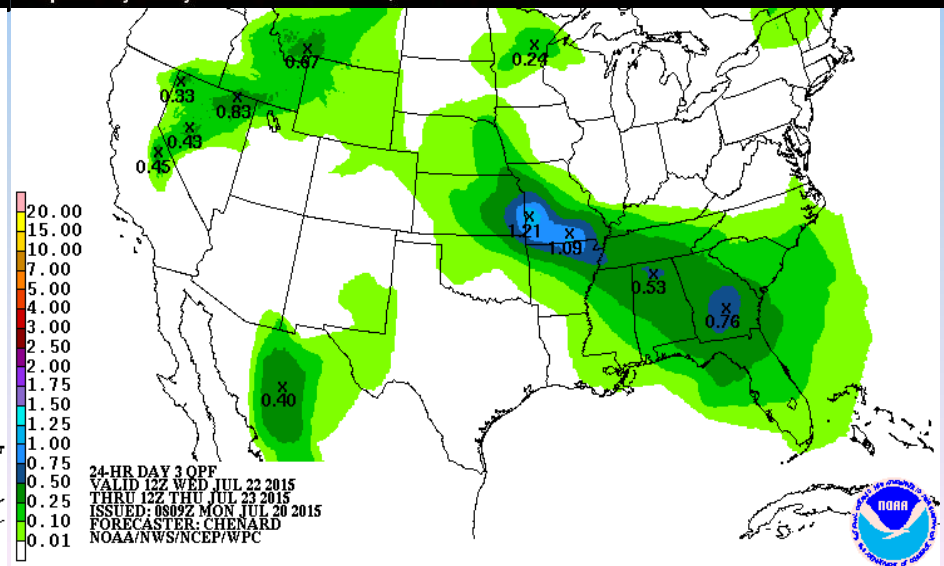
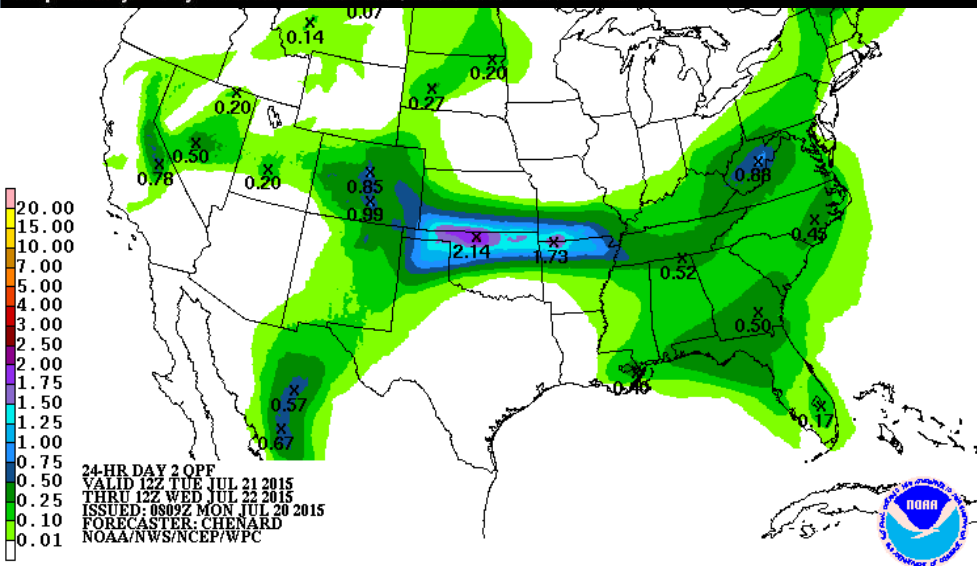
Day 2-3 Weather Maps/Precipitation



Weather Forecast for Tue, Jul 21, 2015, issued 4:40 AM EDT Mon, Jul 20, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by McCreynolds based on WPC, SPC and NHC forecasts



Weather Forecast for Wed, Jul 22, 2015, issued 4:46 AM EDT Mon, Jul 20, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by McCreynolds based on WPC, SPC and NHC forecasts



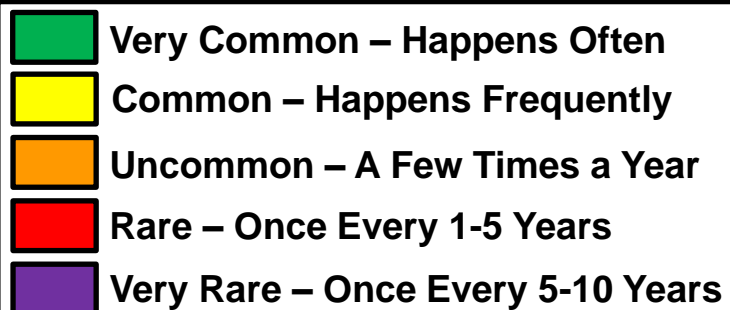
Day 2-3 Weather Hazards

Valid: 0800 Tue - 0800 Thu



**Isolated severe storms with damaging winds
and/or heavy rain & flash flooding Tuesday**

**Afternoon Heat Index
values of
102F+ degrees across
eastern half of the
Region.**



**Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.*

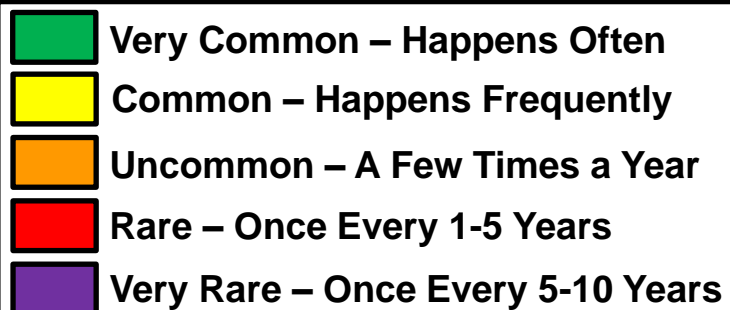
Day 4-5 Weather Hazards

Valid: 0800 Thu - 0800 Sat



**No Significant
Weather Impacts**

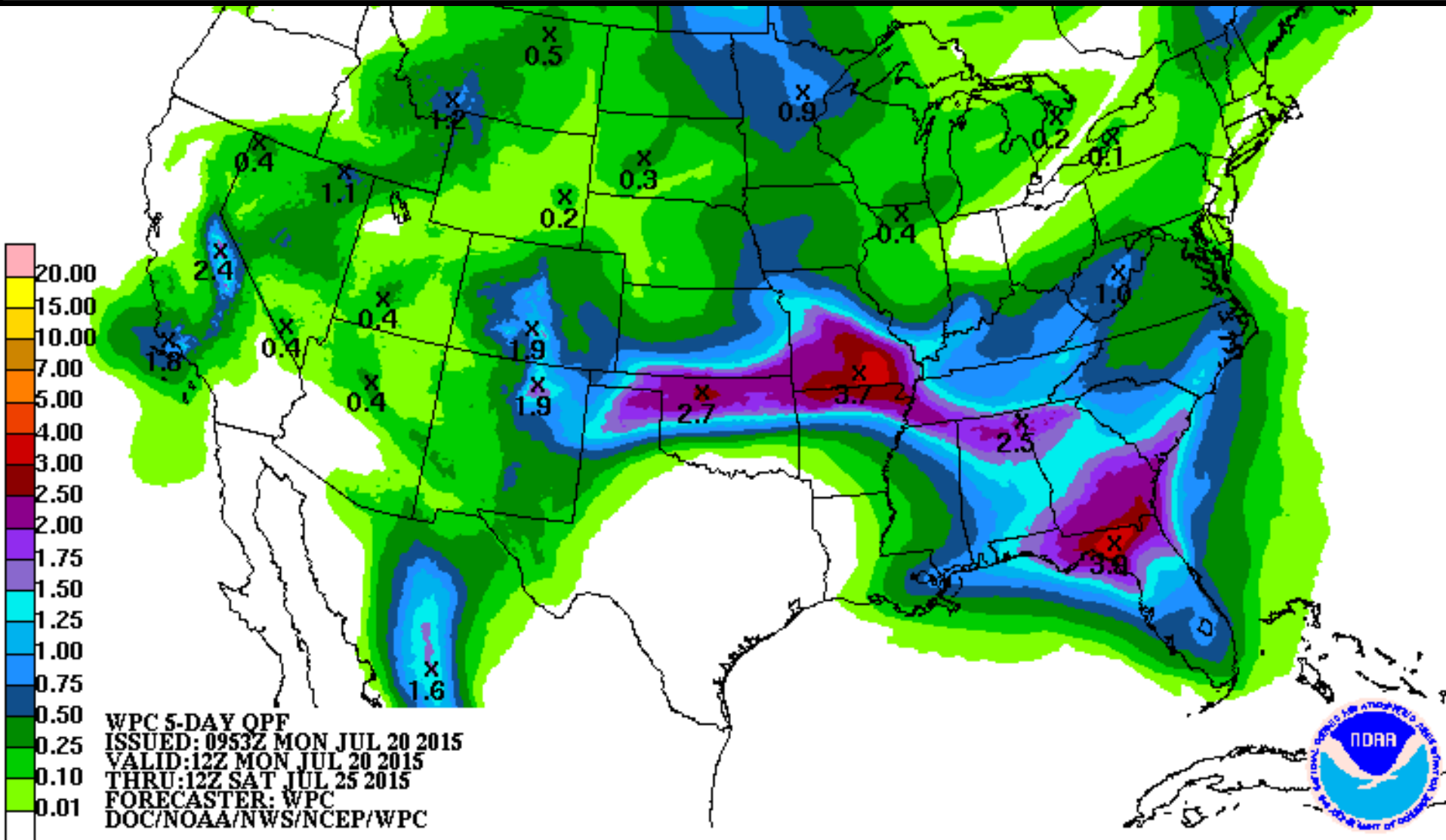
**Afternoon Heat Index
values of
102F+ degrees across
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Region.**



**Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.*

5-Day Precipitation

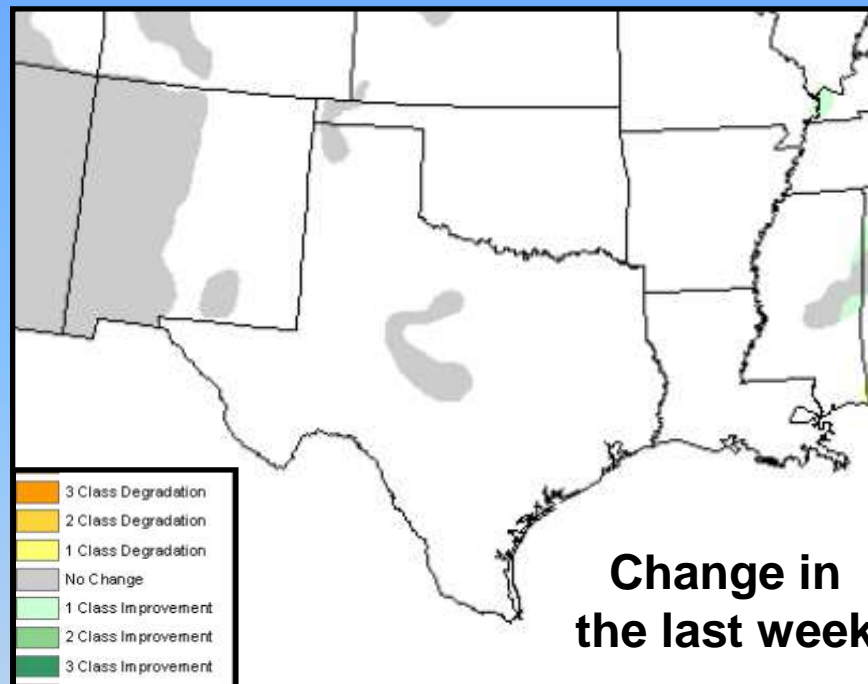
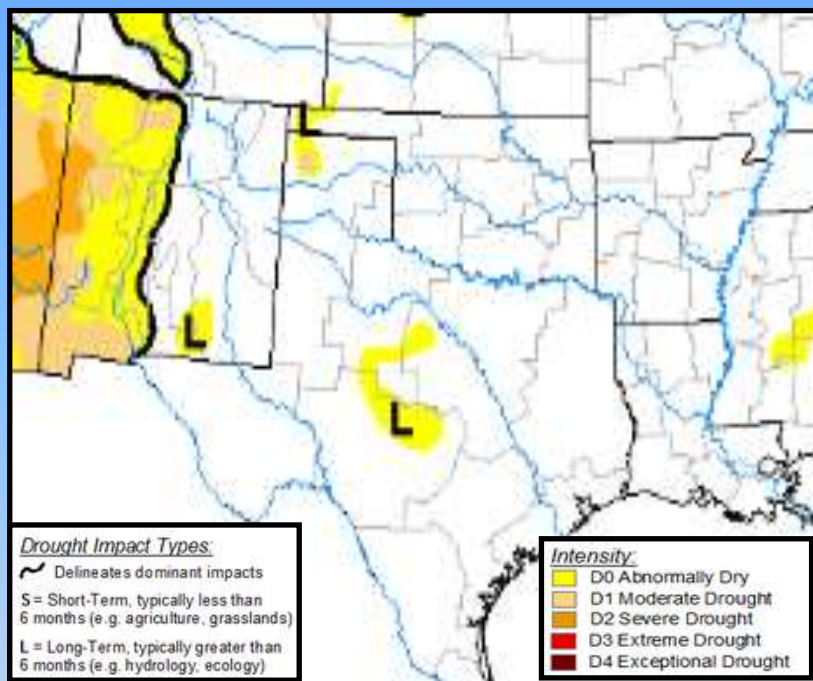
Mon AM - Sat AM





Drought Monitor Released July 16th, 2015

Data valid as of Tuesday July 14th, 2015



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	39.72%	29.37%
Texas	0.00%	0.00%	14.91%	18.36%
New Mexico	0.00%	0.00%	0.00%	40.46%
Arkansas	0.00%	0.00%	12.82%	13.18%
Louisiana	0.00%	0.00%	0.00%	0.00%

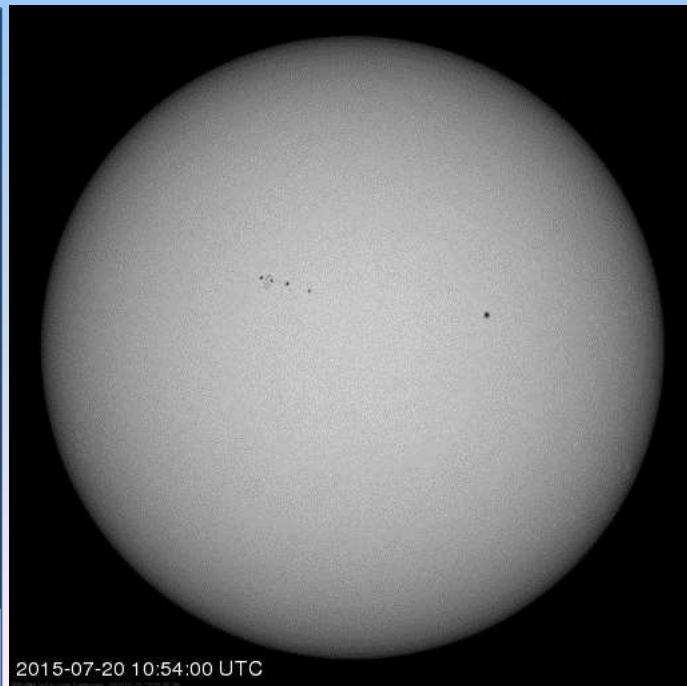
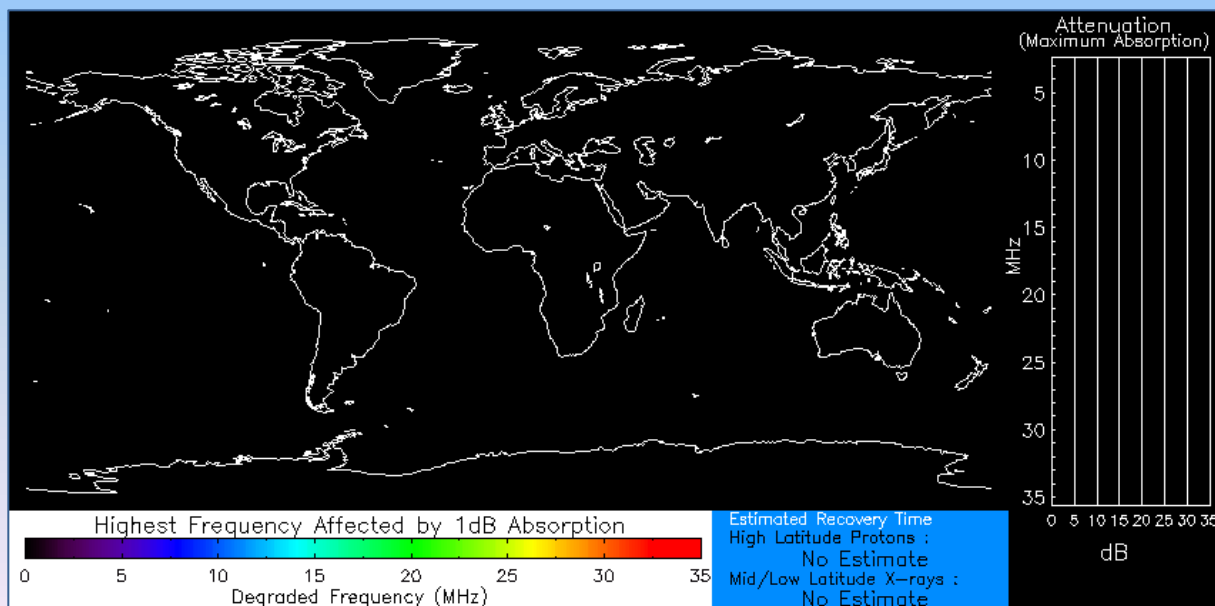
Space Weather 3-Day Forecast



	Monday	Tuesday	Wednesday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	10%	10%	10%
Radio Blackout (R3-R5)	1%	1%	1%

[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



Information provided by:



National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

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